

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of  
Grueneberg et al.

Examiner: To Be Assigned

Application No.: 10/574,416

Art Unit: 1645

Filed: March 31, 2006

Title: **Retroviral Vectors For Delivery of  
Interfering RNA**

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. 1.56, 1.97 AND 1.98**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

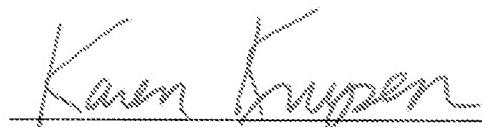
Applicants submit herewith patents, publications, and other information of which they are aware, which they believe may be material, as defined in 37 C.F.R. 1.56(b), to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. 1.56(a). While the information referred to in this Information Disclosure Statement may be material pursuant to 37 C.F.R. 1.56(b), the filing of this Information Disclosure Statement is not intended to, pursuant to 37 C.F.R. 1.97(h), constitute an admission that any patent, publication or other information referred to is, or is considered to be, material to the patentability of this invention. Pursuant to 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information exists.

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- (1) The undersigned attorney certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement;
- (2) The undersigned attorney certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned attorney after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of this statement; or
- (3) This Information Disclosure Statement is accompanied by a transmittal letter in which payment of the fee set forth in §1.17(p) and required by 37 C.F.R. 1.97(c) is authorized.

Respectfully submitted,



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PTO/SB/08A (10-96)

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Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	10/674,416
				Filing Date	03-31-2006
				First Named Inventor	GRUENEBERG
				Group Art Unit	1646
				Examiner Name	To Be Assigned
				Attorney Docket Number	USA2002/0187 - US - PCT
Sheet	1	of	2		

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO		<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>			
(use as many sheets as necessary)			
Sheet	2	of	2
		Application Number	10/674,416
		Filing Date	03-31-2006
		First Named Inventor	GRUENEBERG
		Group Art Unit	1646
		Examiner Name	To Be Assigned
		Attorney Docket Number	USA/2002/0187 - US - PCT

#### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		DEVROE et al., Retrovirus-delivered siRNA, BMC Technology, Biomed Central, Aug. 28, 2002, pp. 1-5	
		LIEBERMAN et al., Interfering with disease: opportunities and roadblocks to harnessing RNA interference, Trends in Molecular Medicine, Sept. 2003, Vol. 9, No. 9, pp. 397-403	
		LIU et al, Short hairpin RNA and retroviral vector-mediated silencing of p53 in mammalian cells, Biochem. & Biophys. Res. Comm., Oct. 12, 2004, Vol. 324, No. 4, pp. 1173-1178	
		MITTA et al., Advanced modular self-inactivating lentiviral expression vectors for multigene interventions in mammalian cells and in vivo transduction, Nucleic Acids Research, Nov. 1, 2002, Vol. 30, No. 21, pp. E113.1 to E113.18	
		TISCORNIA et al., A general method for gene knockdown in mice by using lentiviral vectors expressing small interfering RNA, PNAS, Vol. 100, No. 4, Feb. 18, 2004, pp. 1844-1848	
		RUBINSON et al., A lentivirus-based system to functionally silence genes in primary mammalian cells, stem cells and transgenic mice by RNA interference, Nature Genetics, Vol. 33, No. 3, March 2003, pp. 401-406	

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